

**ELECTROMECHANICAL VALVE ACTUATOR FOR INTERNAL COMBUSTION ENGINES  
AND INTERNAL COMBUSTION ENGINE EQUIPPED WITH SUCH AN ACTUATOR**

**Abstract**

The present invention pertains to an electromagnetic valve actuator (300) for internal combustion engines, comprising an electromagnet (301) and a mobile magnetic plate (306) intended to come into contact with a part of the electromagnet, at least one stop ( $B_{300}$ ) being located on the electromagnet (301) or on the plate (306) to limit the contact surface between the plate (306) and the electromagnet (301). According to the present invention, the actuator is characterized in that the electromagnet (301) comprises a magnet in its magnetic circuit.